

# TABLE 601-XX (native material)

## MINIMUM TESTING FREQUENCIES

04/15/21 draft

### Mainline Pipe (final backfill)

Utility Type	Test Area	Minimum Testing Frequency	MAG Section
Sewer	Final Backfill	<b>Discussion item:</b> 1 test per lift below subgrade per 500', per 300' (alternate between manholes), between each manhole....	601
Water	Final Backfill	1 test per lift below subgrade per 500' (alternate between valves) <b>Discussion item:</b> Between each pipe run	601
Water Valves	Final Backfill	50% of valves or valve clusters (test 1'-3' away)	601
Storm Drain	Final Backfill	1 test per lift per 500' <b>Discussion item: Do we want to combine this with sanitary sewer testing?</b>	601; 618
Dry Utilities (PUE)	Final Backfill	1 test per lift per 500'	601

### Services, Laterals, Crossings (final backfill)

Utility Type	Test Area	Minimum Testing Frequency	MAG Section
Water, Sewer Services	Final Backfill	25% of services, 1 test per lift below subgrade	601
Hydrants, Hydrant Laterals	Final Backfill	50% of laterals, 1 test per lift below subgrade	601
Storm Drain Laterals	Final Backfill	50% of laterals, 1 test per lift below subgrade	601; 718
Irrigation, Dry Utility Crossings	Final Backfill	100% of crossings, 1 test per lift below subgrade	601

### Structures (foundation, final backfill)

Utility Type	Test Area	Minimum Testing Frequency	MAG Section
Major (Manholes)	Subgrade/ Foundation	1 test per manhole <b>(Cast-In-Place manholes only)</b>	301; 601; Dtls 420, 421
Major (Manholes)	Backfill	1 test per lift per structure, alternate sides of structure	206; 505; 601
Minor (Catch Basins, Headwalls)	Subgrade/ Foundation	50% of structures <b>(for Pre-Cast see ABC Table)</b>	301; 601
Minor (Catch Basins, Headwalls)	Backfill	1 test per lift per structure	206; 505; 601

**This Table is for native material. When using ABC, refer to ABC Table 601-xx**

**(footnote): The Engineer or their representative reserve the right to modify sampling and testing requirements as needed to ensure quality of materials.**

**(footnote): "Pipe Run" defined as any length of pipe between two consecutive structures along the pipeline. (ie. manholes, fire hydrants, change of directions, or other items)**

